33. (currently amended) An electric motor comprising:

a motor casing having opposed open ends, the motor casing having an inner casing surface;

a stator assembly disposed in the interior of the motor casing, the stator assembly having a core defining an internal bore and an outer core surface, the inner casing surface and the outer core surface defining an interface therebetween;

a rotor shaft assembly disposed in the internal bore of the stator assembly and including a shaft;

~~a pair of~~ first and second casing closures sized and adapted to close the open ends of the motor casing, each of the casing closures including a bearing assembly adapted to support the shaft and substantially seal the interior of the motor casing;

a cured, thermally-conductive coating material which substantially covers the stator assembly, physically contacts the interior of the motor casing, and substantially fills any gap at the interface between the inner casing surface and the outer core surface, thereby thermally connecting the stator assembly to the motor casing;

wherein at least one of the bearing assemblies includes a bearing, a shaft lip seal, a one way check seal and a slinger disposed on an outer face of the bearing assembly, the slinger substantially covering the check seal; and

wherein the motor casing and the casing closures define a motor housing and the motor housing includes a breather plug constructed from a breathable membrane.

44. (previously presented) An electric motor according to claim 33, wherein an operative end of the shaft extends outside the motor casing through the first ~~end bell~~ casing closure, and wherein the non-operative end of the shaft is enclosed in the motor casing by being disposed in a correspondingly sized slot in a second ~~end bell~~ casing closure.

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